



Institute for Materials Science

UNCLASSIFIED

Institute for Materials Science Distinguished Lecture Series



Prof. Gabriel Aepli
Head of the Synchrotron and Nanotechnology Department
Paul Scherrer Institute, Switzerland

Accelerator-based Light Sources for the Future

Wednesday, August 12, 2015

2:00 to 3:00pm

MSL Auditorium (TA-03, Bldg. 1698, Room A103)

Abstract: We review current and future accelerator-based light sources and their applications to science, medicine and engineering. Particular attention is given to competing technologies such as electron microscopies.

Bio: Gabriel Aepli is professor of physics at ETH Zürich and EPF Lausanne, and head of the Synchrotron and Nanotechnology department of the Paul Scherrer Institute, also in Switzerland. After taking his B.Sc., M.Sc. and PhD in Electrical Engineering from MIT, he spent the majority of his career in industry (NEC, AT&T and IBM) where he worked on problems ranging from liquid crystals to magnetic data storage. He was subsequently co-founder and director of the London Centre for Nanotechnology, Quain Professor at University College London, and cofounder of the Bio-Nano Consulting Company. He is a frequent advisor to numerous private and public entities worldwide (including China, Australia, Europe and the US) engaged in the funding, evaluation and management of technology. He has been elected to the American Academy of Arts and Sciences, the US National Academy of Sciences and the Royal Society (London), and was a recipient of the Mott Prize of the Institute of Physics(London), the Oliver Buckley prize of the American Physical Society and the Neel Medal/International Magnetism Prize. His current technical focus is on the implications of photon science and nanotechnology for information processing and health care.

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